

# Carbomer 940 / 980

Crosslinked polyacrylic-acid thickener, suspending agent and gel-forming rheology modifier.

|                      |                            |                                  |
|----------------------|----------------------------|----------------------------------|
| CAS No.<br>9003-01-4 | EC / List No.<br>618-347-7 | Transport<br>Non-dangerous goods |
|----------------------|----------------------------|----------------------------------|

## Product Information

Crosslinked polyacrylic-acid thickener, suspending agent and gel-forming rheology modifier.

## Specifications

| Parameter                                    | Specification       |
|----------------------------------------------|---------------------|
| <b>Appearance</b>                            | Fluffy white powder |
| <b>940 viscosity, 0.2% neutralized</b>       | 19000–35000 mPa·s   |
| <b>940 viscosity, 0.5% neutralized</b>       | 40000–70000 mPa·s   |
| <b>980 viscosity, 0.2% neutralized</b>       | 13000–30000 mPa·s   |
| <b>980 viscosity, 0.5% neutralized</b>       | 40000–60000 mPa·s   |
| <b>Water-solution transmission, 420 nm</b>   | ≥85 %               |
| <b>Ethanol-solution transmission, 420 nm</b> | ≥70 %               |
| <b>Residual acrylic acid</b>                 | ≤0.25 %             |
| <b>Loss on drying</b>                        | ≤2.0 %              |
| <b>Heavy metals as Pb</b>                    | ≤10 ppm             |
| <b>Arsenic</b>                               | ≤2 ppm              |

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

## Typical Properties

| Property                 | Typical Value                    |
|--------------------------|----------------------------------|
| <b>Polymer Type</b>      | Crosslinked polyacrylic acid     |
| <b>Typical Use Level</b> | 0.2–1.0%, subject to formulation |

## Applications

Clear gel development: Polymeric rheology modifier for selected aqueous and hydroalcoholic gels.

Creams and lotions: Thickener and stabilizing ingredient for selected emulsions.

Styling and suspension systems: Ingredient for selected hair-styling and suspension development.

## Packaging / Storage

| Item              | Information                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Packing</b>    | 21 kg cartons                                                                                                                                                    |
| <b>Storage</b>    | Keep original moisture-resistant liners tightly closed in a cool, dry place. Protect hygroscopic powder from moisture, contamination and incompatible materials. |
| <b>Shelf life</b> | 24 months in unopened original packaging under the stated storage conditions.                                                                                    |
| <b>Handling</b>   | Use ventilation, suitable gloves and eye protection. Follow the matched SDS.                                                                                     |

## Company Contact

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| <b>Supplier</b>          | Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)                                                   |
| <b>Shanghai office</b>   | Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China |
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| <b>Website</b>           | www.zxchem.com                                                                                |